

TITLE

SCREENING FOR ELECTRICAL CONDUCTIVITY OF MOLECULES BY
MEASURING SURFACE POTENTIAL

ABSTRACT

5 Surface potentials of a number of patterned conducting and
insulating self-assembled monolayers (SAMs) were measured by
scanning surface potential microscopy (SSPM) as part of a study in
molecular electronics. Differences in surface potential were measured for
insulating and conducting molecule SAMs on gold. The SAMs were
10 patterned by microcontact printing.

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SNF/dmm